

RF Test Data for Bluetooth (BR+EDR) (Conducted Measurements)

General Description of EUT	
EUT Name:	Tablet
Model:	PAI TAB-1010
Sample ID:	HC-C-202603-0143-09-01
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	24.3℃
Ambient Humidity:	49.7%RH
Test Power Supply:	3.85V
Test Engineer:	Kael LI
Note: For a more detailed features description, please refer to the report TBR-C-202603-0143-1	

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1: 20dB Emission Bandwidth

1.1 Test Result

Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.849	2401.532	2402.381	---	---
DH5	Ant1	2441	0.819	2440.562	2441.381	---	---
DH5	Ant1	2480	0.843	2479.538	2480.381	---	---
2DH5	Ant1	2402	1.275	2401.337	2402.612	---	---
2DH5	Ant1	2441	1.293	2440.328	2441.621	---	---
2DH5	Ant1	2480	1.296	2479.328	2480.624	---	---
3DH5	Ant1	2402	1.293	2401.319	2402.612	---	---
3DH5	Ant1	2441	1.266	2440.325	2441.591	---	---
3DH5	Ant1	2480	1.269	2479.340	2480.609	---	---

1.2 Test Graphs



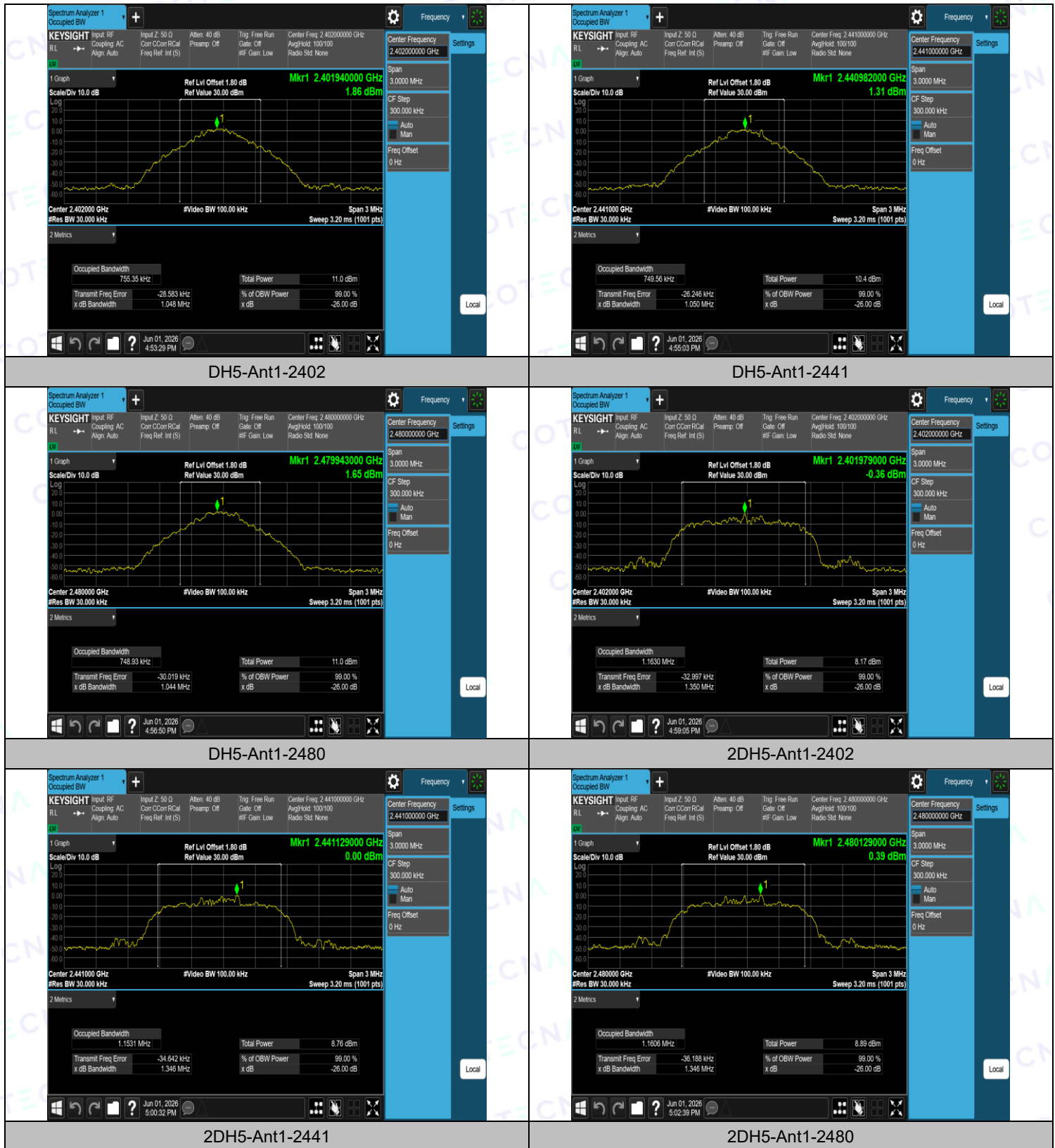


2: Occupied Channel Bandwidth

2.1 Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.75535	2401.5937	2402.3491	---	---
DH5	Ant1	2441	0.74956	2440.5990	2441.3485	---	---
DH5	Ant1	2480	0.74893	2479.5955	2480.3444	---	---
2DH5	Ant1	2402	1.1630	2401.3855	2402.5485	---	---
2DH5	Ant1	2441	1.1531	2440.3888	2441.5419	---	---
2DH5	Ant1	2480	1.1606	2479.3835	2480.5441	---	---
3DH5	Ant1	2402	1.1657	2401.3888	2402.5545	---	---
3DH5	Ant1	2441	1.1700	2440.3829	2441.5529	---	---
3DH5	Ant1	2480	1.1627	2479.3859	2480.5486	---	---

2.2 Test Graphs



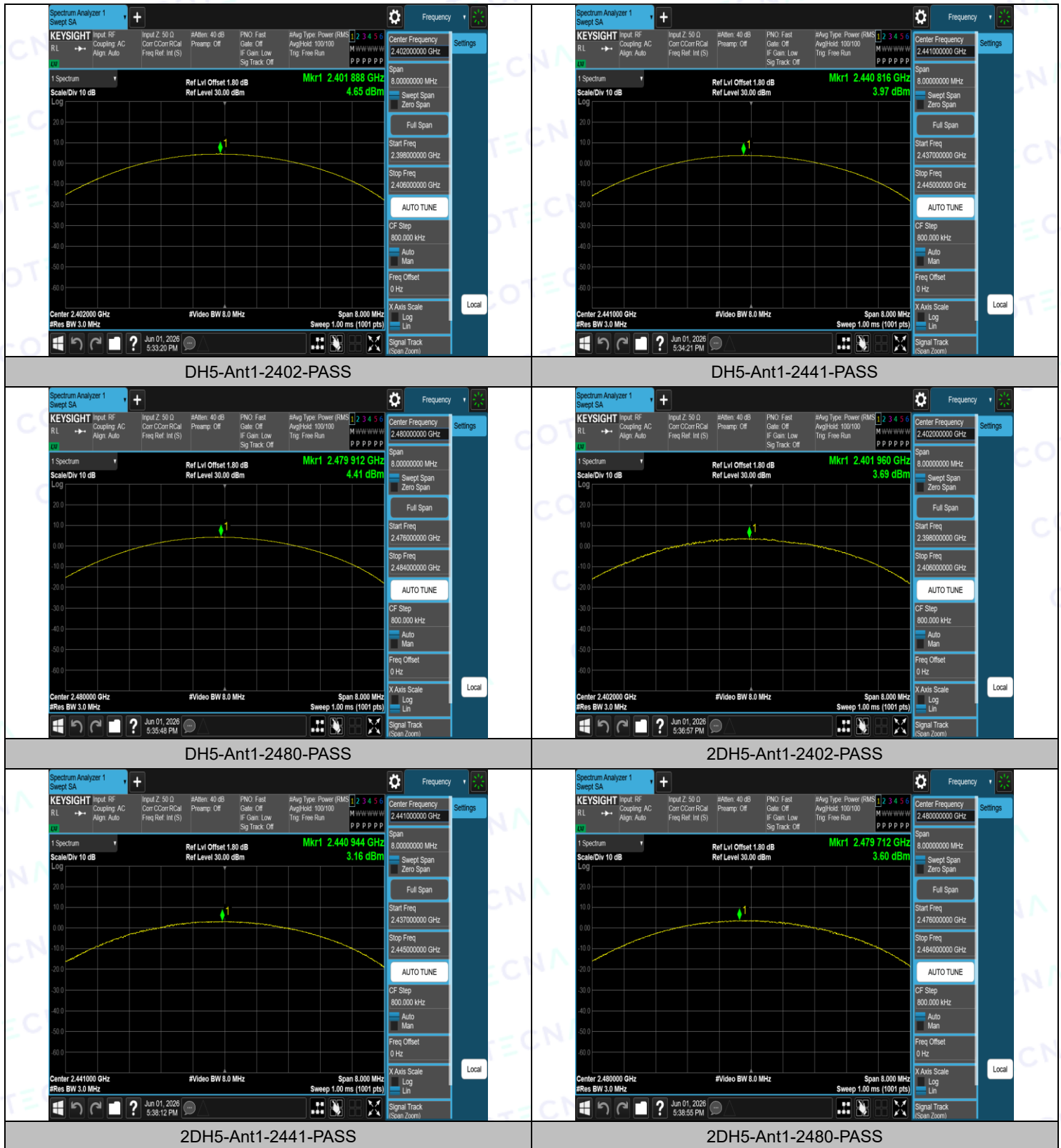


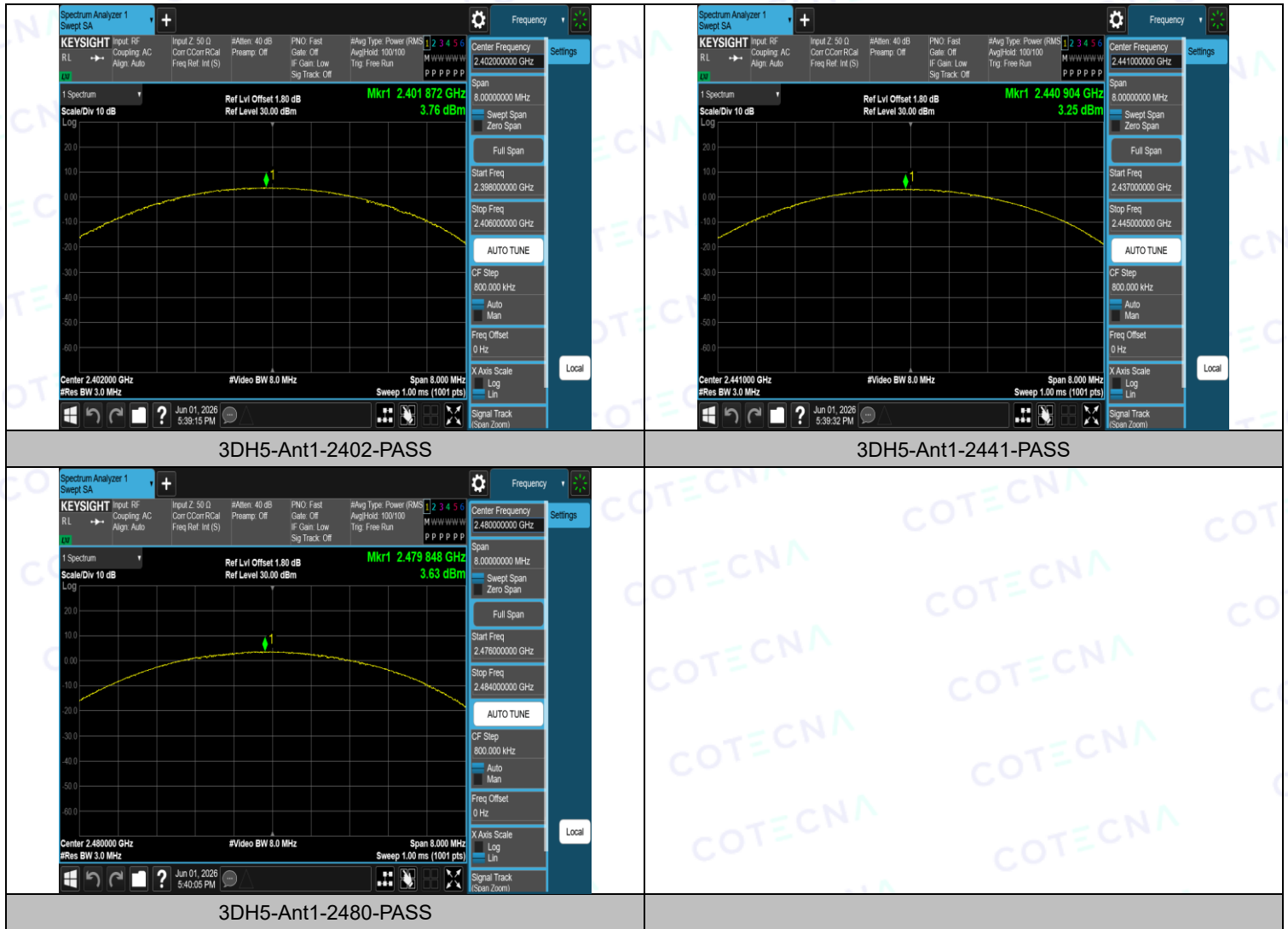
3: Maximum conducted output power

3.1 Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.65	≤20.97	PASS
DH5	Ant1	2441	3.97	≤20.97	PASS
DH5	Ant1	2480	4.41	≤20.97	PASS
2DH5	Ant1	2402	3.69	≤20.97	PASS
2DH5	Ant1	2441	3.16	≤20.97	PASS
2DH5	Ant1	2480	3.61	≤20.97	PASS
3DH5	Ant1	2402	3.76	≤20.97	PASS
3DH5	Ant1	2441	3.25	≤20.97	PASS
3DH5	Ant1	2480	3.63	≤20.97	PASS

3.2 Test Graphs





4: Carrier frequency separation

4.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.536	≥ 0.849	PASS
2DH5	Ant1	Hop	1.02	≥ 0.864	PASS
3DH5	Ant1	Hop	1.008	≥ 0.862	PASS

4.2 Test Graphs



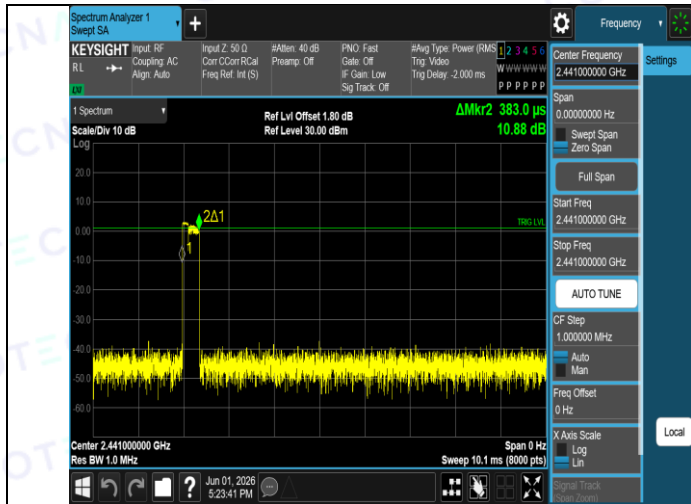
5: Time of occupancy

5.1 Test Result

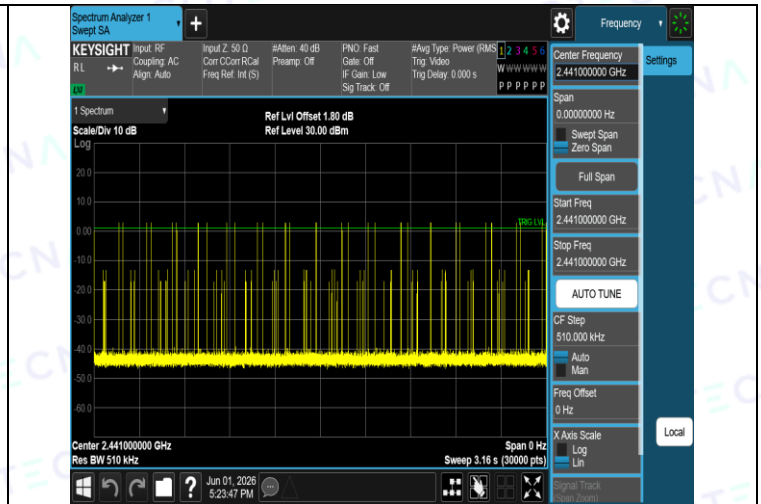
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	0	0	≤0.4	PASS
DH3	Ant1	Hop	1.629	170	0.277	≤0.4	PASS
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.383	330	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.634	140	0.229	≤0.4	PASS
2DH5	Ant1	Hop	2.882	90	0.259	≤0.4	PASS
3DH1	Ant1	Hop	0.383	330	0.126	≤0.4	PASS
3DH3	Ant1	Hop	0.381	200	0.076	≤0.4	PASS
3DH5	Ant1	Hop	2.884	40	0.115	≤0.4	PASS

5.2 Test Graphs





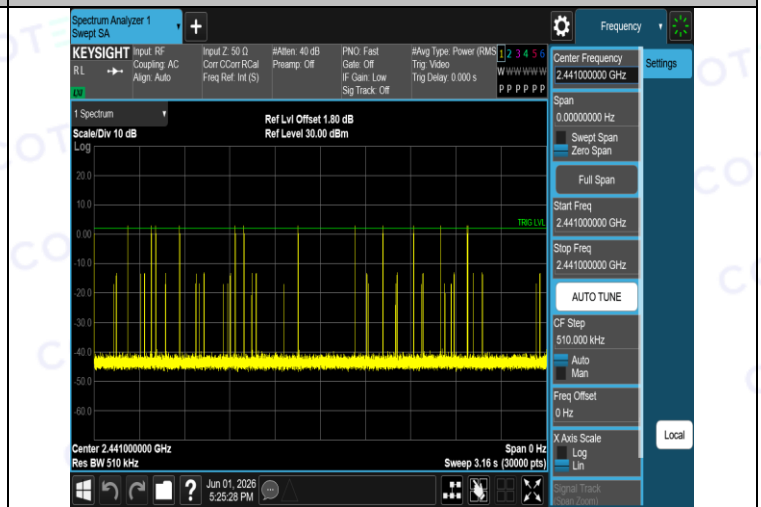
2DH1-Ant1-Hop-PASS



2DH1-Ant1-Hop-PASS



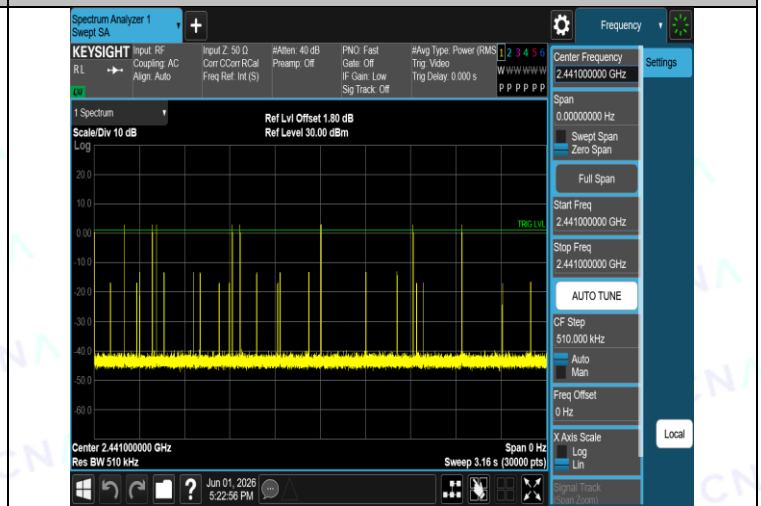
2DH3-Ant1-Hop-PASS



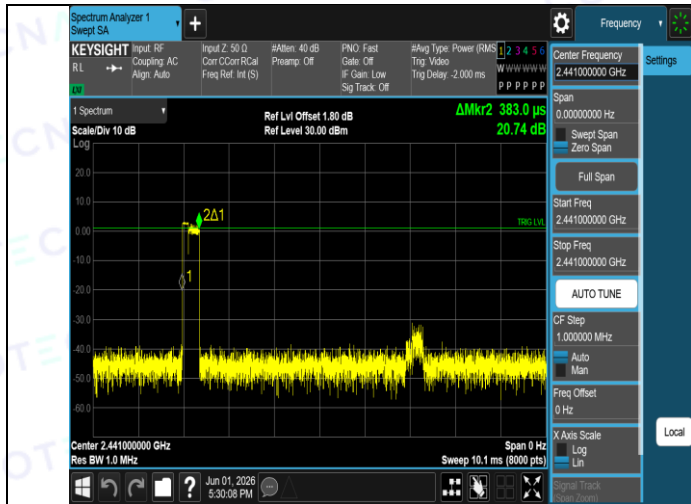
2DH3-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



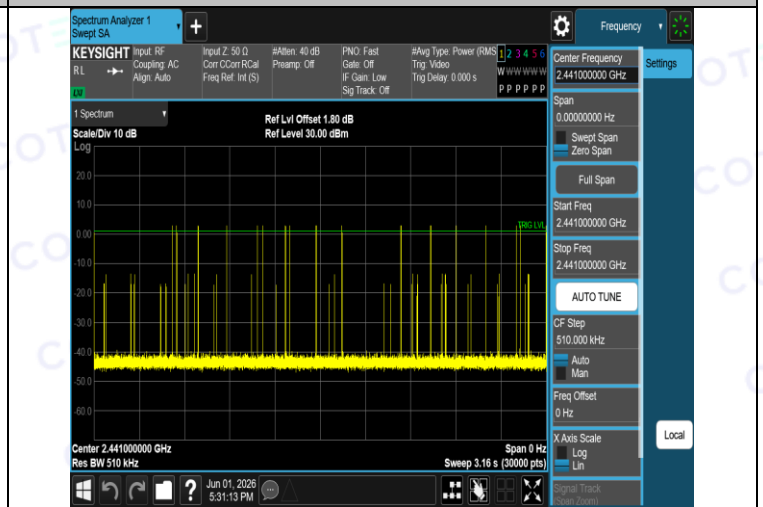
3DH1-Ant1-Hop-PASS



3DH1-Ant1-Hop-PASS



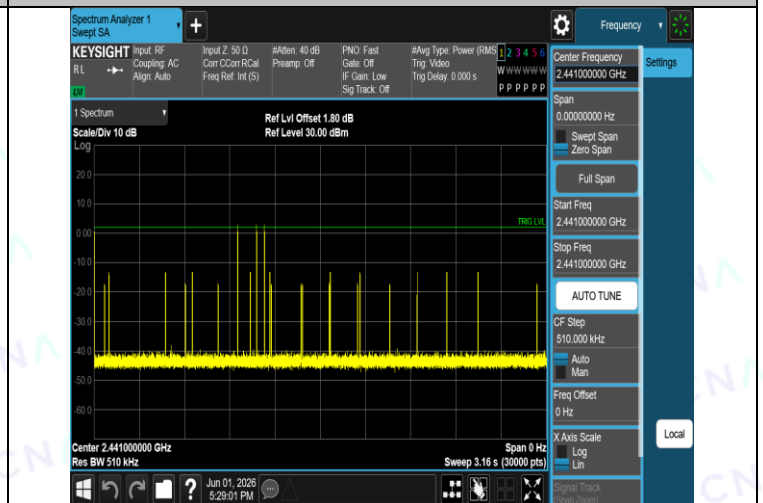
3DH3-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



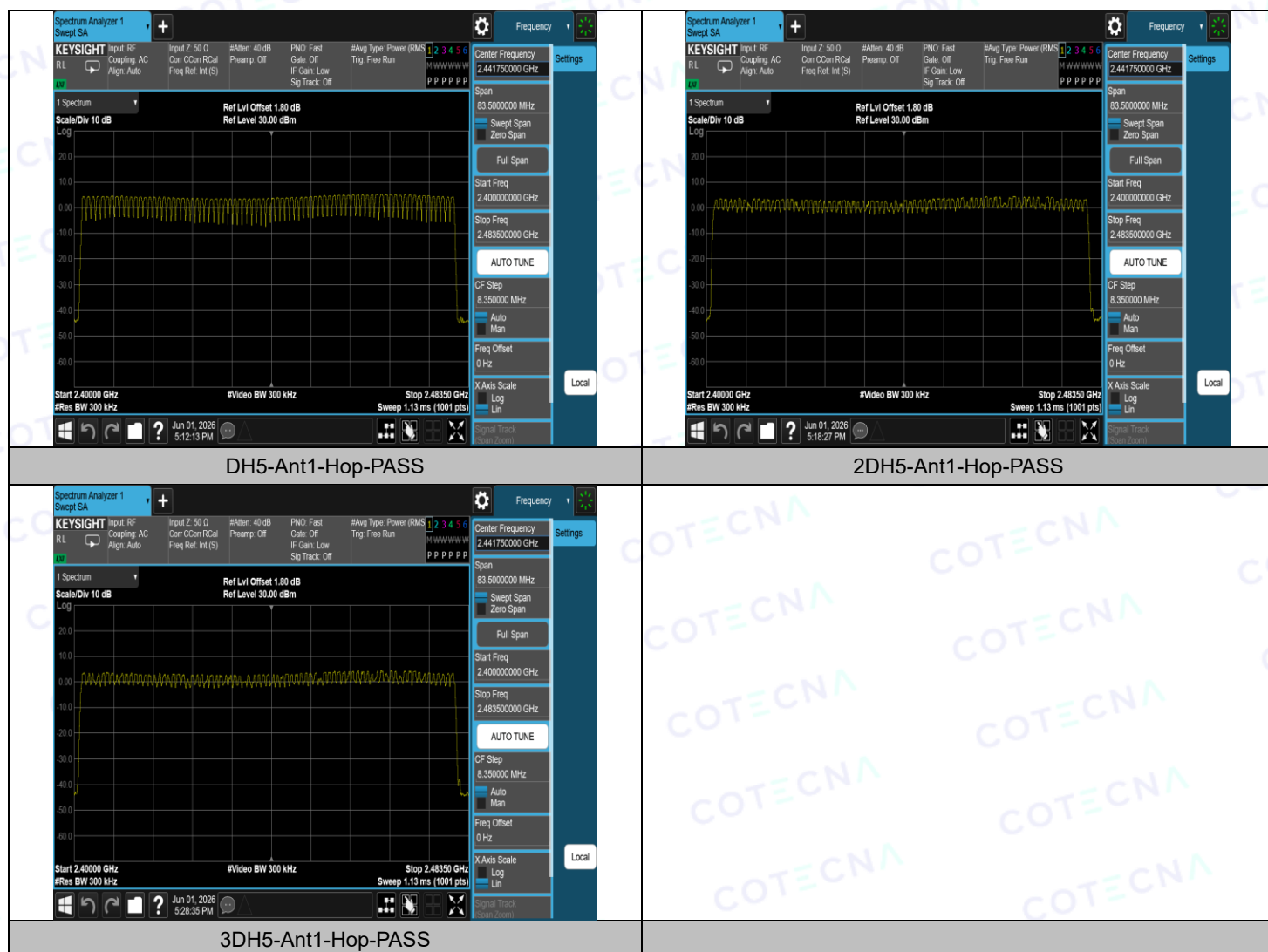
3DH5-Ant1-Hop-PASS

6: Number of hopping channels

6.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

6.2 Test Graphs

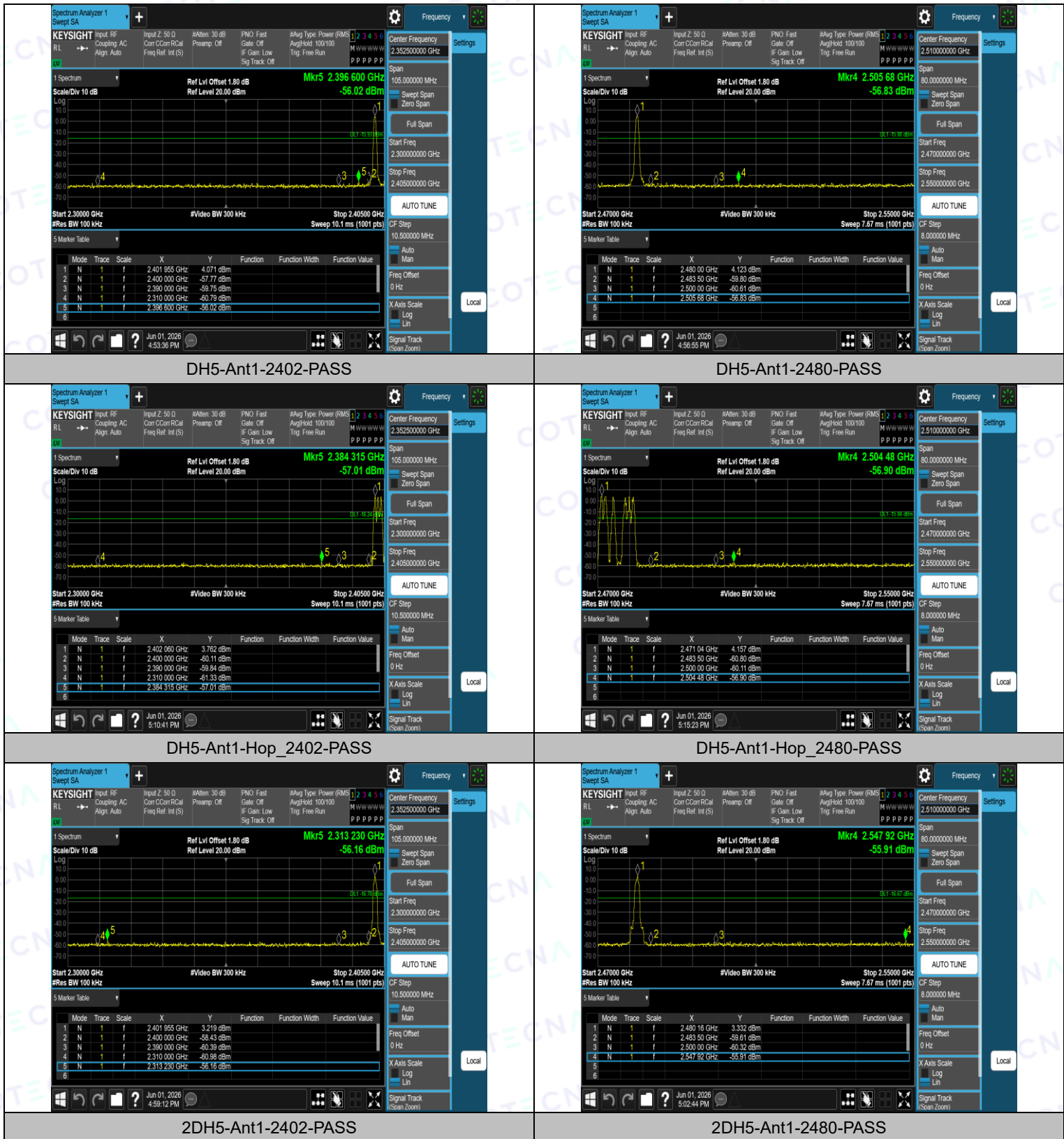


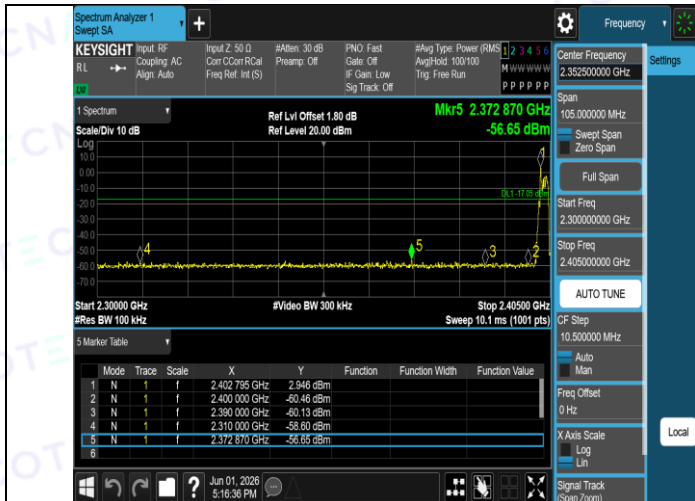
7: Band edge measurements

7.1 Test Result

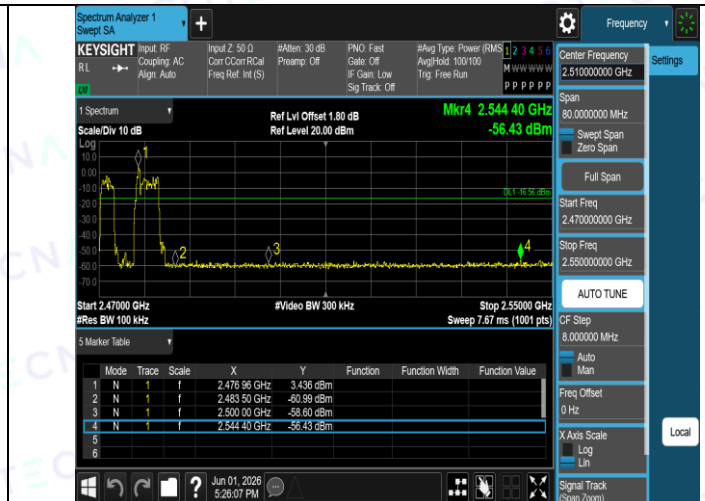
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Low	2402	4.07	-56.02	≤-15.93	PASS
DH5	Ant1	High	2480	4.12	-56.83	≤-15.88	PASS
DH5	Ant1	Low	Hop_2402	3.76	-57.02	≤-16.24	PASS
DH5	Ant1	High	Hop_2480	4.16	-56.9	≤-15.84	PASS
2DH5	Ant1	Low	2402	3.22	-56.16	≤-16.78	PASS
2DH5	Ant1	High	2480	3.33	-55.91	≤-16.67	PASS
2DH5	Ant1	Low	Hop_2402	2.95	-56.65	≤-17.05	PASS
2DH5	Ant1	High	Hop_2480	3.44	-56.43	≤-16.56	PASS
3DH5	Ant1	Low	2402	1.03	-56.37	≤-18.97	PASS
3DH5	Ant1	High	2480	2.76	-56.85	≤-17.24	PASS
3DH5	Ant1	Low	Hop_2402	-3.05	-56.98	≤-23.05	PASS
3DH5	Ant1	High	Hop_2480	0.66	-56.74	≤-19.34	PASS

7.2 Test Graphs

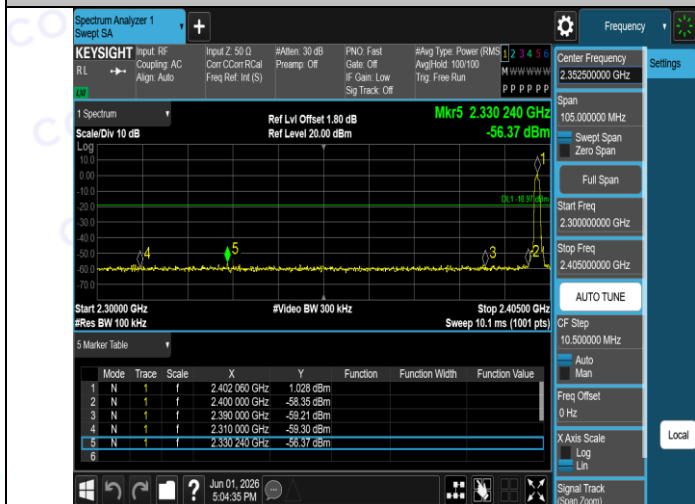




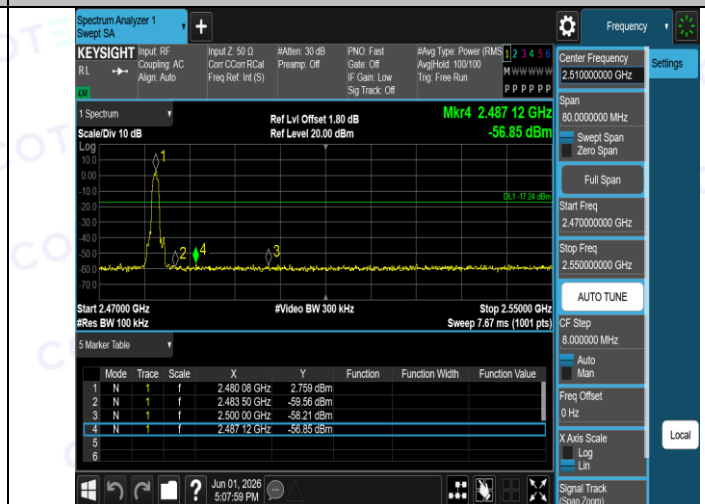
2DH5-Ant1-Hop_2402-PASS



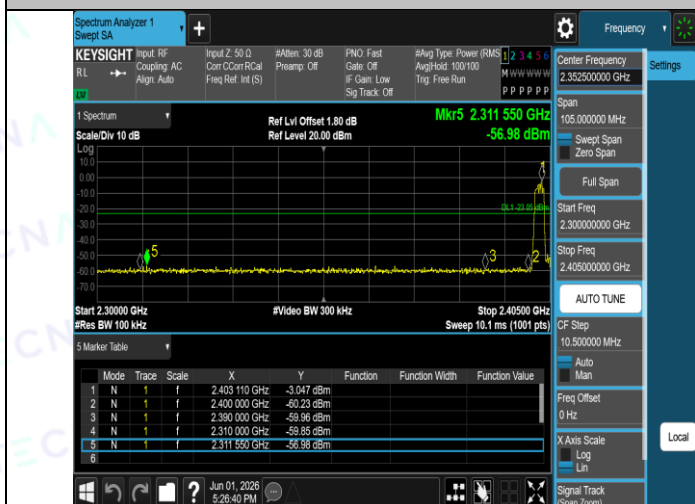
2DH5-Ant1-Hop_2480-PASS



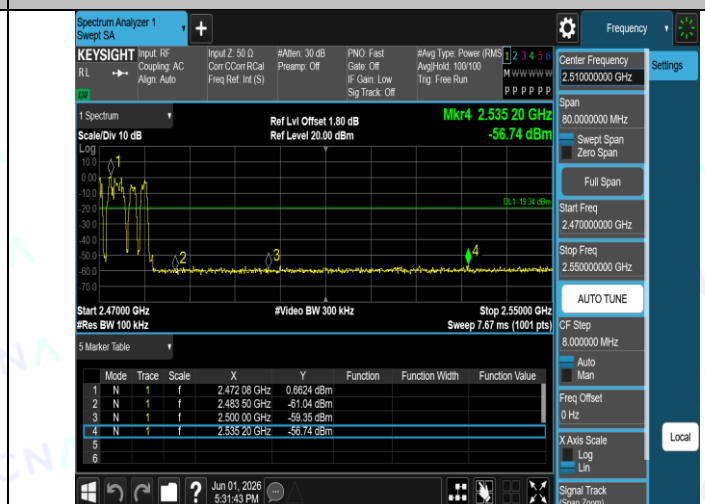
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

8: Conducted Spurious Emission

8.1 Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	3.79	3.79	---	PASS
DH5	Ant1	2402	30~1000	3.79	-59	≤-16.21	PASS
DH5	Ant1	2402	1000~26500	3.79	-43.22	≤-16.21	PASS
DH5	Ant1	2441	0~Reference	2.87	2.87	---	PASS
DH5	Ant1	2441	30~1000	2.87	-57.33	≤-17.13	PASS
DH5	Ant1	2441	1000~26500	2.87	-43.37	≤-17.13	PASS
DH5	Ant1	2480	0~Reference	3.68	3.68	---	PASS
DH5	Ant1	2480	30~1000	3.68	-58.49	≤-16.32	PASS
DH5	Ant1	2480	1000~26500	3.68	-43.1	≤-16.32	PASS
2DH5	Ant1	2402	0~Reference	2.68	2.68	---	PASS
2DH5	Ant1	2402	30~1000	2.68	-59.05	≤-17.32	PASS
2DH5	Ant1	2402	1000~26500	2.68	-43.16	≤-17.32	PASS
2DH5	Ant1	2441	0~Reference	-2.36	-2.36	---	PASS
2DH5	Ant1	2441	30~1000	-2.36	-59.67	≤-22.36	PASS
2DH5	Ant1	2441	1000~26500	-2.36	-42.68	≤-22.36	PASS
2DH5	Ant1	2480	0~Reference	2.07	2.07	---	PASS
2DH5	Ant1	2480	30~1000	2.07	-59.21	≤-17.93	PASS
2DH5	Ant1	2480	1000~26500	2.07	-42.68	≤-17.93	PASS
3DH5	Ant1	2402	0~Reference	2.81	2.81	---	PASS
3DH5	Ant1	2402	30~1000	2.81	-58.92	≤-17.19	PASS
3DH5	Ant1	2402	1000~26500	2.81	-42.84	≤-17.19	PASS
3DH5	Ant1	2441	0~Reference	-2.09	-2.09	---	PASS
3DH5	Ant1	2441	30~1000	-2.09	-58.62	≤-22.09	PASS
3DH5	Ant1	2441	1000~26500	-2.09	-43.24	≤-22.09	PASS
3DH5	Ant1	2480	0~Reference	2.52	2.52	---	PASS
3DH5	Ant1	2480	30~1000	2.52	-58.47	≤-17.48	PASS
3DH5	Ant1	2480	1000~26500	2.52	-43.16	≤-17.48	PASS